

A NEW SPECIES OF THE GENUS PARATHAIA (HEMIPTERA, CICADELLIDAE, TYPHLOCYBINAE)

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Abstract In this paper, one new species of the genus Parathaia Kuoh is described from China. A key to all five Chinese species of this genus is provided. The type specimens are deposited in the Institute of Entomology, Guizhou University.
Key words Hemiptera, Cicadellidae, Typhlocybinae, Parathaia , new species, China.

The genus Parathaia was erected by Kuoh (1982) with Parathaia bimaculata Kuoh as its type species, and at the same time, another two new species were described. Subsequently, one new species from China was added by Li & Wang (1991). Until now, four species are known from China. In the present paper, we report a new species from Leigongshan National Nature Reserve in Guizhou Province, China.

Parathaia Kuoh, 1982
Parathaia Kuoh, 1982: 398. Type2species: Parathaia bimaculata Kuoh, 1982.

Head slightly narrower than pronotum, median suture distinct. Vertex slightly produced medially, with anterior margin and posterior margin almost parallel. Pronotum broad, with a rhombic streak. Frontoclypeus long, median length about 2 times as long as greatest width. Ocelli absent. Forewings with 4 apical cells, 1st apical cell largest; 4th apical cell smallest, wax2field distinct. Pygofer with a pair of long processes. Subgenital plate curved, 3 to 4 or more macrosetae on outer lateral surface. Style slender, with a little lamellate process on or not on lateral margin. Aedeagal shaft often with a pair of processes.

Distribution. China.

Key to species (`)

- 11 Basal triangles of scutellum black , , , , , , , , , , 2
- Basal triangles of scutellum absent or not black , , , , , , , , , , 4
- 21 Crown with a pair of round spots , , , , , , , , , , 3
- Crown not as above , , , , , , , , , , Parathaia macra Kuoh
- 31 Lower appendages of pygofer side branched , , , , , , , , , ,
- , , , , , , , , , , Parathaia leishanensis sp. nov.
- Lower appendages of pygofer side unbranched , , , , , , , , , ,
- , , , , , , , , , , Parathaia bimaculata Kuoh
- 41 Claval suture of forewings with two pale brownish2yellow longitudinal bands , , , , , , , , , , Parathaia infumata Kuoh
- Claval suture of forewings without any longitudinal bands , , , , , , , , , ,
- , , , , , , , , , , Parathaia bifurcata Li et Wang

1) Parathaia bimaculata Kuoh, 1982
Parathaia bimaculata Kuoh, 1982. Ata Zootaxonomica Sinica , 4 (7): 398.

Specimens examined. 7 ` ` ` , 1 a , Guizhou, Mt. Leigongshan, 15 Sep. 2005, at light, coll. SONG Yue2 Hua.

Distribution. Guizhou, Jiangxi, Hunan.

2) Parathaia macra Kuoh, 1982
Parathaia macra Kuoh, 1982. Ata Zootaxonomica Sinica , 4 (7): 399.

Specimens examined. 4 ` ` ` , 5 a a , Guizhou, Sandu, 23 June 1977, coll. LI Z2Zhong. 3 a a , Guizhou, Rongjiang, 22 Oct. 1977, coll. LI Z2Zhong. 2 ` ` ` , 2 a a , Guizhou, Wangmo, 22 June 1977, coll. LI Z2Zhong. 4 ` ` ` , 2 a a , Guizhou, Luodian, 16 June 1974, coll. LI Z2Zhong.

Distribution. Anhui, Shandong, Jiangxi, Guizhou.

3) Parathaia bifurcata Li et Wang, 1991
Parathaia bifurcata Li et Wang. 1991. Agriculture and Forestry Insect Fauna of Guizhou, 4: 238.

Specimens examined. 3 ` ` ` , 1 a , Guizhou, Luodian, 15 July 1986, coll. LI Z2Zhong.
Distribution. Guizhou (Luodian).

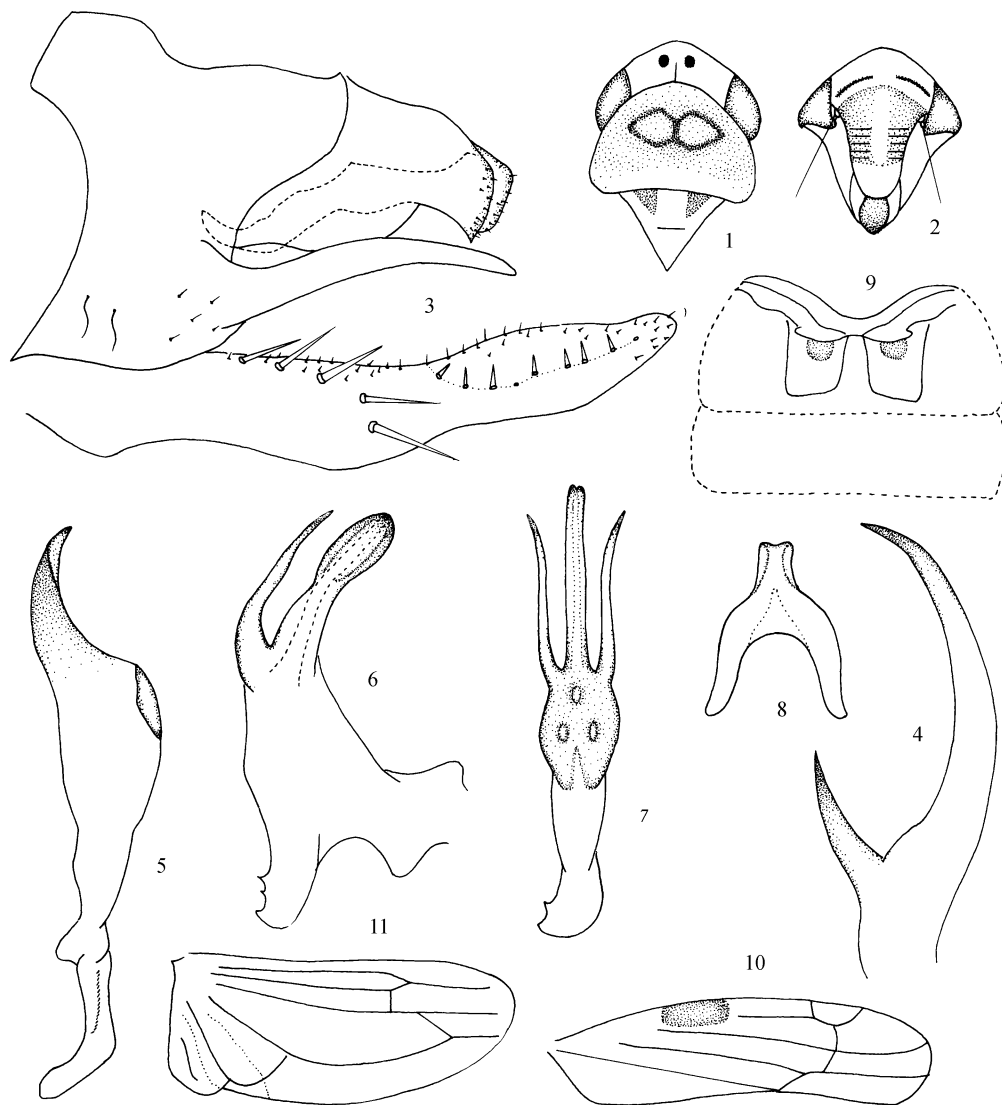
4) Parathaia infumata Kuoh, 1982
Parathaia infumata Kuoh, 1982. Ata Zootaxonomica Sinica , 4 (7): 400.

Distribution. Jiangxi, Shanxi, Hunan, Guangdong.

5) Parathaia leishanensis sp. nov. (Figs1211)
Length (incl. tegm.): ` 3182410 mm, a 410 mm.
Structural characters as in generic description.
Vertex with median suture short. Pronotum broad, anterior margin convex, posterior margin slightly concave. Scutellum triangular. Abdominal apodemes reaching 3rd sternite, short and wide, nearly quadrilateral.

Crown dirty yellow, with a pair of round dark brown spots. Eyes black. Face brownish, anteclypeus brown, frontoclypeal area with five dark brown transverse streaks on each side. Pronotum brown or blackish2brown, its median area with a rhombic streak. Scutellum brownish2yellow, basal triangles black. Thorax and abdomen fuscous. Legs infusate. Forewing brownish, claval suture with a brown longitudinal band, wax2field dark brown. Hindwing transparent.

Pygofer side broad, with numerous microsetae at base. Anal tube appendage long, apex hook2like. Lower appendages of pygofer side with two branches, longer



Figs 1211. *Parathaia leishanensis* sp. nov. 1. Head and thorax, dorsal view. 2. Face. 3. Pygofer side and subgenital plate. 4. Lower appendage of pygofer. 5. Style. 6. Aedeagus, lateral view. 7. Aedeagus, ventral view. 8. Connective. 9. Abdominal apodemes. 10. Forewing. 11. Hindwing.

one a little more 3 times than shorter one. Subgenital plate with five long macrosetae on outer lateral surface, several peg-like setae at apex. Style slender, with a distinct lamellate process. Aedeagus with a pair of long processes, aedeagal shaft short, preatrium expand, gonopore apical. Connective U2shaped.

Holotype ♀, paratypes 9 ♀♀, 1 ♂, Guizhou Province, Mt. Leigong (26°43' N, 108°20' E), Lianhuaping, 6002800 m, at light, 15 Sep. 2005, coll. SONG Yue2Hua.

This new species is similar to *Parathaia bimaculata* Kuoh, but can be distinguished from the latter by: 1) lower appendages of pygofer with two branches, 2) aedeagal shaft with pair of long processes at base, nearly extend to apex and apex straight, 3) abdominal apodemes nearly quadrilateral.

Etymology. This species is named after its locality.

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中国菱脊叶蝉属种类记述 (半翅目, 叶蝉科, 小叶蝉亚科)

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摘 要 记述小叶蝉亚科 Typhlocybinæ 菱脊叶蝉属 Parathaia Kuoh 5 种, 其中包括 1 新种, 即雷山菱脊叶蝉 Parathaia lishanensis sp. nov.。新种下尾节突分成 2 支, 阳茎干基部发出 的 1 对附突较长, 已接近端干顶缘水平, 腹内突形状近四边形。同时给出了中国种检索表。模式标本保存在贵州大学昆虫研究所。

关键词 半翅目, 叶蝉科, 小叶蝉亚科, 菱脊叶蝉属, 新种, 中国.
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